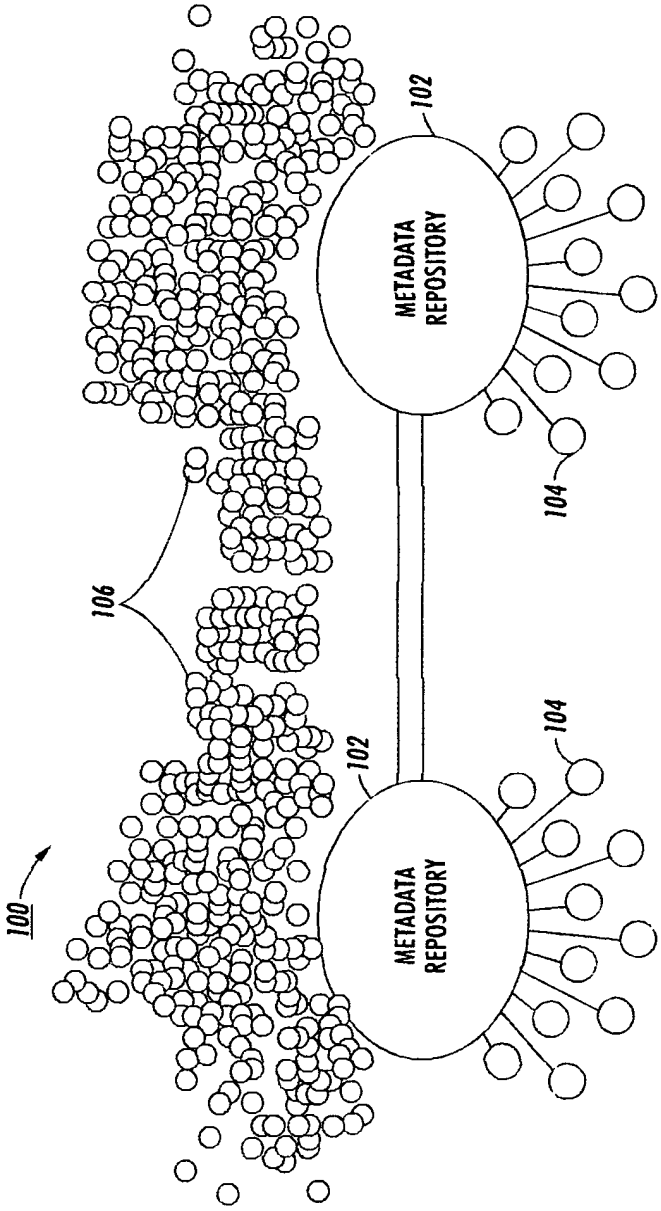
100
102
METADATA REPOSITORY
104
106
102
METADATA REPOSITORY
104

FIG. 1

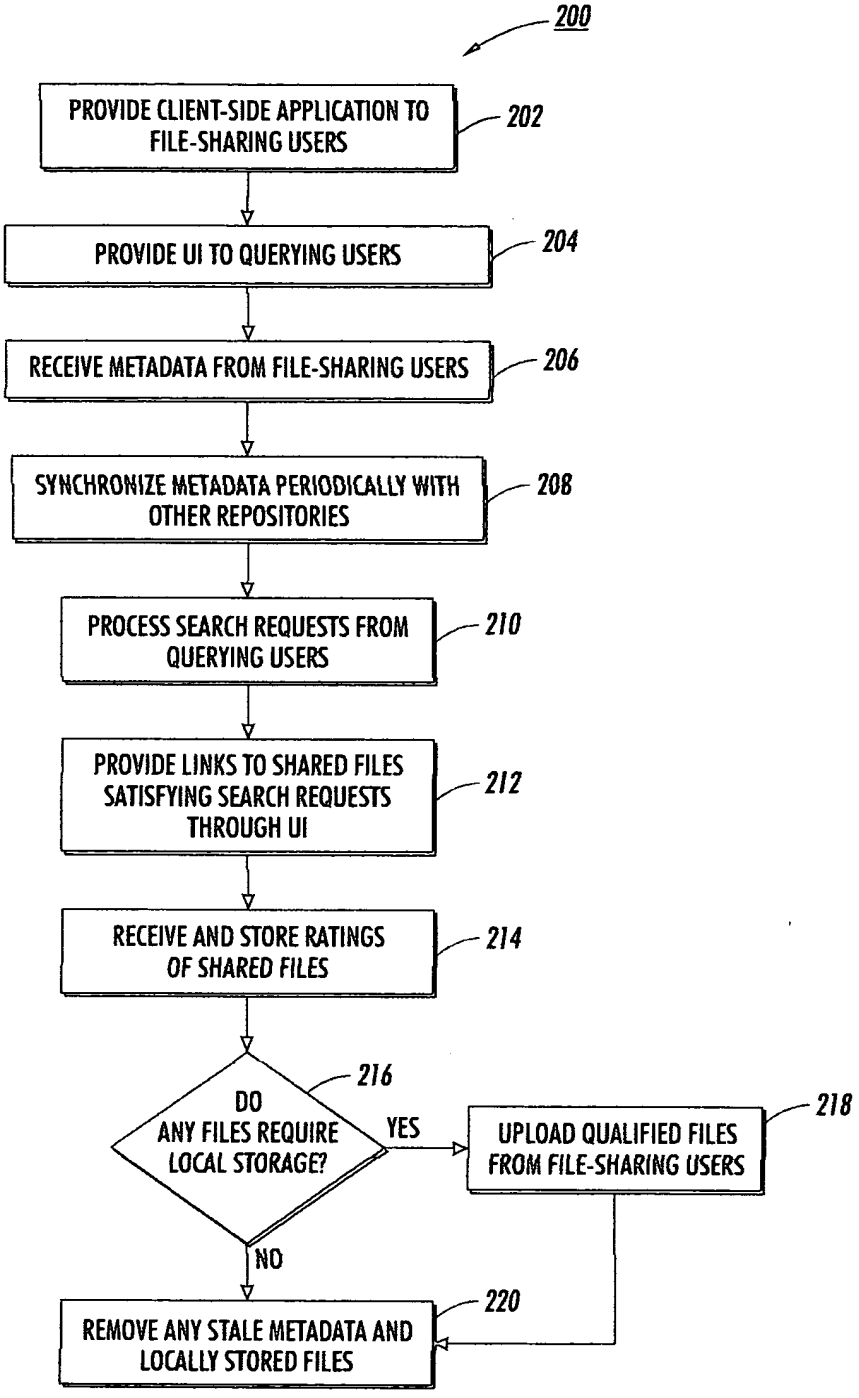
200
PROVIDE CLIENT-SIDE APPLICATION TO FILE-SHARING USERS
202
PROVIDE UI TO QUERYING USERS
204
RECEIVE METADATA FROM FILE-SHARING USERS
206
SYNCHRONIZE METADATA PERIODICALLY WITH OTHER REPOSITORIES
208
PROCESS SEARCH REQUESTS FROM QUERYING USERS
210
PROVIDE LINKS TO SHARED FILES SATISFYING SEARCH REQUESTS THROUGH UI
212
RECEIVE AND STORE RATINGS OF SHARED FILES
214
DO ANY FILES REQUIRE LOCAL STORAGE?
216
YES
UPLOAD QUALIFIED FILES FROM FILE-SHARING USERS
218
NO
REMOVE ANY STALE METADATA AND LOCALLY STORED FILES
220

FIG. 2

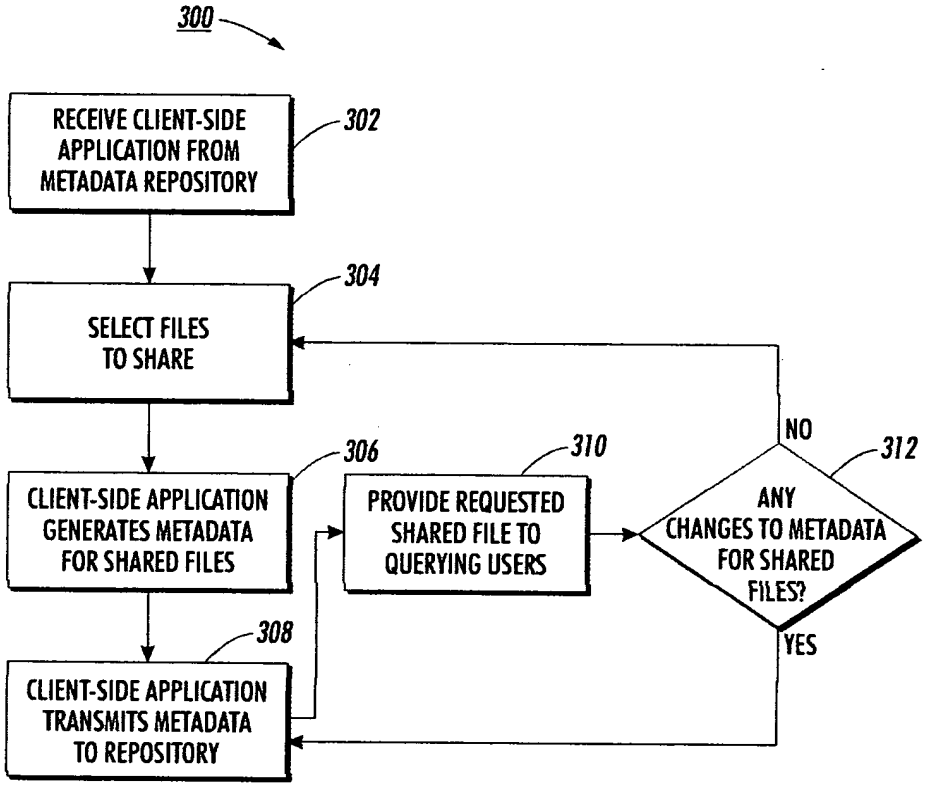
300
RECEIVE CLIENT-SIDE APPLICATION FROM METADATA REPOSITORY
302
SELECT FILES TO SHARE
304
CLIENT-SIDE APPLICATION GENERATES METADATA FOR SHARED FILES
306
CLIENT-SIDE APPLICATION TRANSMITS METADATA TO REPOSITORY
308
PROVIDE REQUESTED SHARED FILE TO QUERYING USERS
310
ANY CHANGES TO METADATA FOR SHARED FILES?
312
NO
YES

FIG. 3

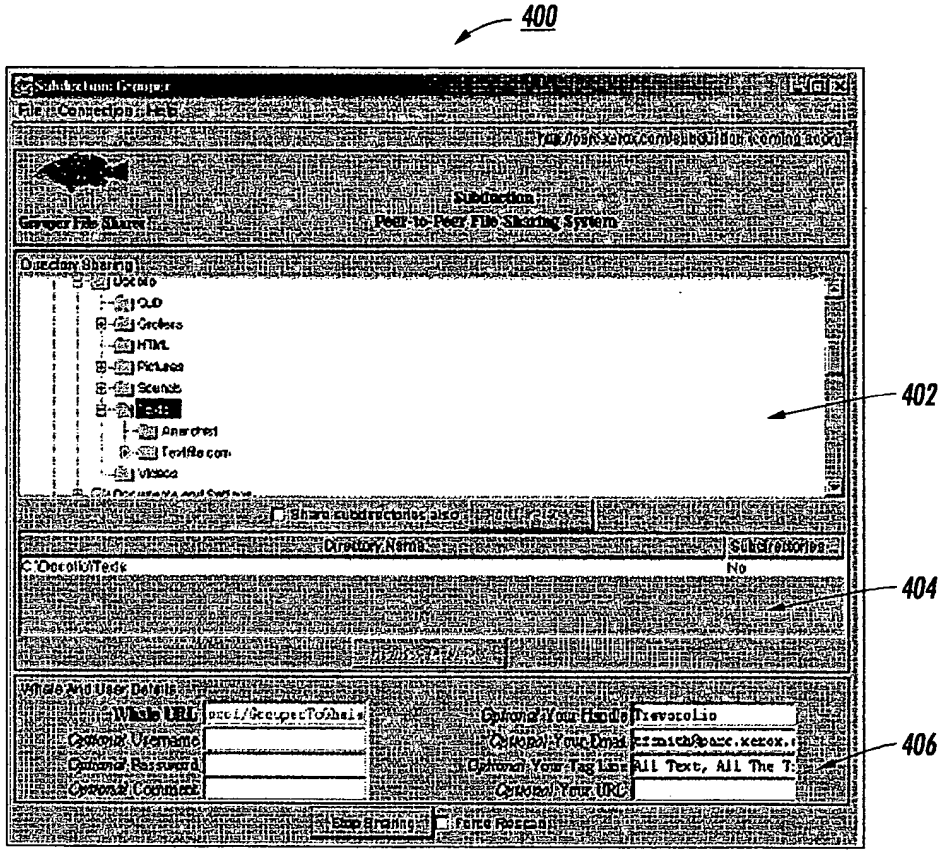

FIG. 4

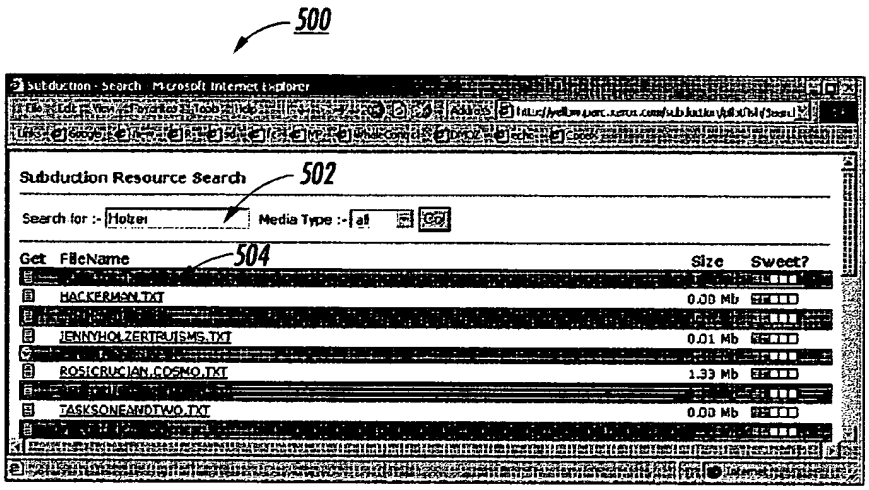
500
Subduction - Search - Microsoft Internet Explorer
Subduction Resource Search
502
Search for :- Holzer
Media Type :- all
Get
FileName
504
Size
Sweet?
HACKERMAN.TXT
0.00 Mb
JENNYHOLZERTRUISMS.TXT
0.01 Mb
ROSICRUCIAN_COSMO.TXT
1.33 Mb
TASKSONEANDTWO.TXT
0.00 Mb

FIG. 5

```
<Subduction url="http://A.com/W2W">
        <QueryResource/>
</Subduction>
```

600

602

```
Subduction url="http://B.com/W2W">
        <Resource md5="MD5" location="http://B.com/download?id=2">
                <Property name="fileName" value="Truisms.txt"/>
                <Property name="text.firstLine"
                        value="An elite is inevitable"/>
        </Resource>
        <ResourceDeleted location="http://B.com/download?id=23"/>
        <ResourceDeleted location="http://B.com/download?id=3"/>
</Subduction>
```

FIG. 6